

Form PT01449 (Rev. 8-83) (modified)  <b>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE CITATION</b> (Us. several sheets if necessary)	<b>ATTY. DOCKET NO.</b> 13813US01	<b>SERIAL NO.</b> 09/586,370
	<b>APPLICANT(s):</b> Hottovy, et al.	
	<b>FILING DATE</b> Une 2, 2000	<b>GROUP ART UNIT:</b> 1764

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AGD		1,693,786	12/4/28	Isaachsen			
		2,770,295	11/13/56	Allen	159	16	
		2,825,721	3/4/58	Hogan et al.	260	94.9	3/26/56
		2,915,513	12/1/59	Leatherman et al.	260	94.9	5/21/54
		2,943,082	06/28/60	Cottle	260	93.7	
		2,951,067	08/30/60	Cash	260	94.9	
		2,952,671	09/13/60	Cottle	260	94.9	
		2,982,763	05/02/61	McLeod	260	94.9	
		2,988,527	06/13/61	Tegge	260	28.5	
		3,001,978	09/26/61	McLeod	260	94.9	
		3,126,365	03/24/64	Hooker	260	94.9	
		3,152,872	10/13/64	Scoggin et al.	34	15	
		3,172,737	03/09/65	Whittington	23	285	
		3,203,766	8/31/65	Mudd et al.	23	252	
		3,242,150	03/22/66	Scoggin	260	88.2	
		3,248,179	04/26/66	Norwood	23	285	
		3,257,363	6/21/66	Miller et al.	260	88.2	5/22/61
		3,262,922	07/26/66	Payne	260	93.7	
		3,285,899	11/15/66	Houser et al.	260	93.7	
		3,293,000	12/20/66	Marwil	23	285	10/5/62
		3,309,350	03/14/67	Kelley et al.	260	94.9	
		3,318,857	05/09/67	Dietz	260	93.7	
		3,324,093	6/6/67	Allerman	260	88.2	10/21/63
		3,418,305	12/24/68	Payne et al.	260	94.9	
		3,551,403	12/29/70	Delbouille et al.	260	94.9	8/1/68
		3,594,356	07/20/71	Hinton	260	88.2	
		3,625,658	12/7/71	Closon	23	285	5/12/69
		3,640,980	02/08/72	Baba	20	82.1	
		3,642,731	02/15/72	Tegge et al.	260	80.78	
	AGD	3,794,627	2/26/74	Giachetto	260	88.2	7/27/71

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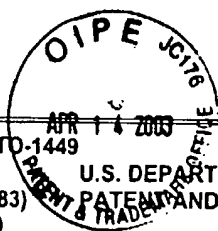
EXAMINER

*Alexis Doescher*

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*03/15/04*

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Form PTO-1449 (Rev. 8-83) (modified) <b>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</b>	<b>ATTY. DOCKET NO.</b> 13813US01	<b>SERIAL NO.</b> 09/586,370
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	<b>INFORMATION DISCLOSURE CITATION</b> (Use sev ral sheets if necessary)	

U.S. PATENT DOCUMENTS							
AQ		3,816,383	06/11/74	Stotko	260	94.9	
		3,858,943	1/7/75	Bose et al.	302	26	3/13/73
		3,879,361	04/22/75	Wyatt et al.	260	80.78	
		3,912,701	10/14/75	Dunn, Jr.	260	93.7	
		3,956,061	5/11/76	Young et al.	159	48 L	2/19/74
		3,956,257	5/11/76	Hogan	526	64	8/14/75
		4,007,321	02/08/77	Scholz et al.	526	64	
		4,099,335	07/11/78	Jezl et al.	34	9	
		4,121,029	10/17/78	Irvin et al.	526	64	
		4,126,743	11/21/78	Shiomura et al.	528	503	
		4,199,546	04/22/80	Kirch	422	132	
		4,258,158	03/24/81	Pfeiffer	526	68	
		4,372,758	2/8/83	Bobst et al.	555	48	9/2/80
		4,383,972	5/17/83	McCurdy et al.	422	131	7/15/81
		4,395,523	07/26/83	Kirch	526	64	
		4,424,341	01/03/84	Hanson et al.	528	501	
		4,436,902	3/13/84	Wood et al.	528	501	2/12/82
		4,439,601	3/27/84	McCurdy et al.	528	481	7/15/81
		4,461,889	7/24/84	Hanson	528	498	9/17/80
		4,499,263	02/12/85	Messura et al.	528	483	
		4,501,885	02/26/85	Sherk et al.	528	501	
		4,528,337	7/9/85	Kreilein et al.	526	70	4/26/84
		4,543,399	9/24/85	Jenkins, III, et al.	526	70	4/3/84
		4,589,957	5/20/86	Sherk et al.	203	75	8/25/83
		4,613,484	09/23/86	Ayres et al.	422	132	
		4,632,976	12/30/86	Asanuma et al.	528	497	
		4,690,804	9/1/87	Rohlfing	422	219	9/18/85
		4,737,280	04/12/88	Hanson	210	181	
		4,794,151	12/27/88	Mueller-Mall et al.	526	64	
		4,832,915	05/23/89	Messura et al.	422	62	
		5,183,866	02/02/93	Hottovy	526	88	
		5,207,929	05/04/93	Sung et al.	210	774	
		5,225,465	07/06/93	Eichenauer et al.	524	100	

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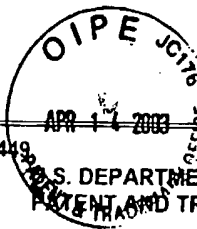
<b>EXAMINER</b> <i>Alex Doershenk</i>	<b>DATE CONSIDERED:</b> <i>03/15/04</i>
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		APPLICANT(s):	
		Hottovy, et al.	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		FILING DATE	GROUP ART UNIT:
		Une 2, 2000	1764

U.S. PATENT DOCUMENTS							
A&O		5,272,236	12/21/93	Lai et al.	526	348.5	
		5,276,115	1/4/94	Bohmer et al.	526	126	12/14/92
		5,278,272	01/11/94	Lai et al.	526	348.5	
		5,292,863	3/8/94	Wang	528	483	11/2/94
		5,314,579	05/24/94	Sung	159	74.1	
		5,326,835	75/94	Ahvenainen et al.	526	64	8/20/92
		5,371,158	12/6/84	Brekner et al.	526	127	7/2/93
		5,387,659	2/7/95	Hottovy et al.	526	59	2/8/93
		5,416,179	5/16/95	Welch et al.	526	160	3/16/94
		5,455,314	10/03/95	Burns et al.	526	61	
		5,473,020	12/5/95	Peifer et al.	525	243	6/30/94
		5,480,948	1/2/96	Geerts	526	142	3/28/95
		5,492,985	2/20/96	Peifer et al.	526	127	5/31/95
		5,565,174	10/15/96	Burns et al.	422	131	
		5,565,175	10/15/96	Hottovy et al.	422	132	10/1/90
		5,575,979	11/19/96	Hanson	422	132	
		5,597,892	01/28/97	Hanson	528	501	
		5,639,834	06/17/97	Debras et al.	526	64	
		5,712,365	1/27/98	Arai et al.	528	498	3/20/96
		5,744,555	04/28/98	Ames et al.	526	67	
		5,747,407	05/05/98	Martin	502	26	
		5,898,053	04/27/99	Leaney et al.	526	68	
		5,959,044	09/28/99	Villar	526	61	
		5,986,021	11/16/99	Hokkanen et al.	526	64	2/10/98
		6,042,790	3/28/00	Hottovy et al.	422	131	10/24/94
		6,045,661	04/04/00	Kreischer et al.	203	73	
		6,204,344	03/20/01	Kendrick et al.	526	64	
		6,225,422	05/01/01	Power et al.	526	68	
		6,239,235	05/29/01	Hottovy et al.	526	64	
		6,281,300	08/28/01	Kendrick	526	88	
		6,319,997	11/20/01	Kendrick et al.	526	64	
	A&O	6,380,325	04/30/02	Kendrick	526	64	

EXAMINER	DATE CONSIDERED:
<i>Alfred Doornheide</i>	03/15/04
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	APPLICANT(s): Hottovy, et al.		
	FILING DATE Une 2, 2000	GROUP ART UNIT: 1764	

## U.S. PATENT DOCUMENTS

ADD	2001/0012497 A1	08/09/01	Debras	422	131	
	2002/0086955 A1	07/04/02	Kendrick	526	88	02/14/02
	2002/0111441 A1	08/15/02	Kendrick et al.	526	64	11/06/01
	2002/0132936 A1	09/19/02	Kendrick et al.	526	64	11/06/01
	2002/0173598 A1	11/21/02	Kendrick et al.	526	64	02/19/02
ADD	2002/0182121 A1	12/05/02	Kendrick	422	131	05/14/02

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	PUBLICATI ON DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
ADD	WO 97/36942	10/09/97	PCT	C08F	8/00		
	WO 99/47251	09/23/99	PCT	B01J	8/00		
	WO 99/60028	11/25/99	PCT	C08F			
	WO 00/02929	01/20/00	PCT	C08F	10/00		
	WO 00/05277	02/03/00	PCT	C08F	4/02		
	WO 01/05842 A1	1/25/01	PCT				
	WO 93/08221	04/29/93	PCT				
	WO 96/16996	06/06/96	PCT				
	WO 96/18659	06/20/96	PCT				
	WO 98/01477	01/15/98	PCT				
	BE 865789	07/31/78	Belgium				
	BE 695770	09/20/67	Belgium			X(Abstract only)	
	CA 857386	12/1/70	Canada			X(Abstract only)	
	EP 415427	3/6/91	EPO				
	EP 416379	3/13/91	EPO				
	EP 519266	12/23/92	Europe	B01J	19/24	X(Abstract only)	
	EP 648697	4/19/95	EPO				
ADD	EP 891 990 A2	1/20/99	EPO				

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Form PTO-1449

(Rev. 8-83)  
(modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

13813US01

SERIAL NO.

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Hottovy, et al.

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# INFORMATION DISCLOSURE CITATION

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AAS	EP 891 990 A3 (International Search Report, 09/17/99)	1/20/99	EPO				
	EP 0432555 A2	06/19/91	Europe				
	DE 1800935	05/69	Germany				
	FR 647754	11/30/28	France				
	JP 5029649	02/05/93	Japan			X (claims, examples & description)	
	JP 72013367	1972	Japan			X (Abstract only)	
	JP 62-13408	8/14/99	Japan			X	
	JP 52147689	12/08/77	JP			X(Abstract only)	
	JP 56093701	07/29/81	Japan			X(Abstract only)	
	JP 58132009	08/06/83	Japan			X(Abstract only)	
	JP 5949233	03/21/84	Japan			X(Abstract only)	
	JP 61089211	05/07/86	Japan			X(Abstract only)	
	JP 62007704	01/14/87	Japan			X(Abstract only)	
	JP 62151412	07/06/87	Japan			X(Abstract only)	
	JP 62164703	07/21/87	Japan			X(Abstract only)	
	JP 01139602	06/01/89	Japan			X(Abstract only)	
	JP 01139603	06/01/89	Japan			X(Abstract only)	
	JP 01178503	07/14/89	Japan			X(Abstract only)	
	JP 01178504	07/14/89	Japan			X(Abstract only)	
	JP 3084014	04/09/91	Japan			X(Abstract only)	
	JP 3026686	02/05/91	Japan			X(Abstract only)	
	JP 4230863	08/19/92	Japan			X(Abstract only)	
	JP 5029649	02/05/93	Japan			X(Abstract only)	
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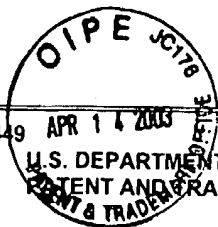
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*Alexa Dorschner*

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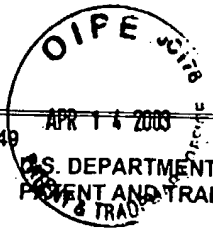
Form PTO-1449 (Rev. 8-83) (modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
		13813US01	09/586,370
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		Hottovy, et al.	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		FILING DATE	GROUP ART UNIT:
		Une 2, 2000	1764

FOREIGN PATENT DOCUMENTS							
AAD	JP 7286004	10/31/95	Japan			X(Abstract only)	
	JP 2514386	04/30/96	Japan			X(Abstract Claims only)	
	JP 10087738	04/07/98	Japan			X(Abstract only)	
	JP 10168115	06/23/98	Japan			X(Abstract only)	
	UK 790547	02/12/58	UK				
	UK 841263	7/13/60	UK				
	UK 1435965	5/19/76	UK				
	UK 2018611	10/24/79	UK				
	UK 590595	07/23/47	UK				
	UK 828791	02/24/60	UK				
	UK 863055	03/15/61	UK				
	UK 887707	01/24/62	UK				
	UK 905879	09/12/62	UK				
	UK 2018611	10/24/79	UK				
	UK 1147019	04/02/69	UK				
	PL 82848	10/31/75	PL			X(Abstract only)	
AAD	AU 353479	04/07/78	Austria			X(Abstract only)	

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
AAD	✓	Michael Arne, SRI International, HIGH DENSITY POLYETHYLENE, Supplement D, A private report by the PROCESS ECONOMICS PROGRAM, May 1989 ✓
		<del>Summary of six Japanese Patent Publications ✓</del>
		<del>Summary of six Japanese non-patent Publications ✓</del>
AAD		K.B. Bryan et al., "Polypropylene: Supplement A." SRI International Report, Process Economics Program, Report No. 128A, August (1993). ✓
		<del>Declaration of Scott T. Roger (IN SEALED ENVELOPE UNDER MPEP 724) ✓</del>
AAD		J.P. Hogan et al., "Phillips Petroleum company Loop Reactor Polyethylene Technology," <i>Journal of Applied Polymer Science Applied Polymer Symposium</i> , 36, 49-60 (1981) ✓
AAD		R.H. Perry & C.H. Chilton (Eds.). <i>Chemical Engineers' Handbook</i> (5th ed.). McGraw-Hill, Inc., New York, New York, pp. 5-46 - 5-47 (1973). ✓

EXAMINER	DATE CONSIDERED:
<i>Alex Daisbach</i>	03/15/04
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		"Total Quality Report", Baton Rouge, Louisiana, Vol. 13, No. 1, Jan/Feb. p. 4 (1998). ✓
no		Tomiho Arima, et al., "Polymerization inhibitor recovery from styrene residue," Aromatics, page 218-222, Vol 41, No. 7/8, 1989 ✓
no		Magelli et al., "Solids Separation At The Exit Of A Continuous-flow Slurry Reactor Stirred With Multiple Axial Impellers," Trans IChemE, Vol. 75, Part A, March 1997, 284-287 ✓
		<del>USSN: 09/080,412 entitled "Continuous Slurry Polymerization Volatile Removal", filed May 18, 1998, Inventor: James Austin Kendrick (98B014/2) ✓</del>
		<del>USSN: 09/955,729 entitled "Continuous Slurry Polymerization Volatile Removal", filed September 19, 2001, Inventor: James Austin Kendrick (98B014A/3). ✓</del>
		<del>USSN: 10/023,677 entitled "Continuous Slurry Polymerization Volatile Removal", filed February 14, 2002; Inventor: James Austin Kendrick (98B014/5)</del>
		<del>USSN: 10/147,219 entitled "Continuous Slurry Polymerization Volatile Removal", filed May 14, 2002, Inventor: James Austin Kendrick (98B014/6)</del>
		<del>USSN: 09/992,770 entitled "Continuous Slurry Polymerization Volatile Removal", filed November 6, 2001, Inventor: James Austin Kendrick (98B014B)</del>
		<del>USSN: 10/079,226 entitled "Continuous Slurry Polymerization Volatile Removal", filed February 19, 2002; Inventor: James Austin Kendrick (98B014/D) ✓</del>
		<del>USSN: 10/085,809 entitled "Continuous Slurry Polymerization Volatile Removal", filed February 28, 2002, Inventor: James Austin Kendrick (98B014E)</del>
		<del>USSN: 09/586,370 entitled "High Solids Slurry Polymerization Apparatus", filed June 2, 2000, Inventor: John Hottovy et al. (13813US01) ✓</del>
		<del>USSN: 10/176,289 entitled "High Solids Slurry Polymerization Using Heat Exchange To Condense The Flashed Diluent", filed June 20, 2002, Inventor: John Hottovy et al. (13813US02) ✓</del>
		<del>USSN: 10/176,201 entitled "High Solids, High Ethylene Slurry Polymerization", filed June 20, 2002, Inventor: John Hottovy et al. (13813US03) ✓</del>
		<del>USSN: 10/177,615 entitled "Pumped High Solids Slurry Polymerization", filed June 20, 2002, Inventor: John Hottovy et al. (13813US04) ✓</del>
		<del>USSN: 10/176,204 entitled "High Polymer Solids Slurry Polymerization", filed June 20, 2002, Inventor: John Hottovy et al. (13813US05) ✓</del>
		<del>USSN: 10/176,247 entitled "High Polymer Solids Slurry Polymerization Employing 1-Olefin Comonomer", filed June 20, 2002, Inventor: John Hottovy et al. (13813US06) ✓</del>

EXAMINER	DATE CONSIDERED:
<i>Alex Droschen</i>	03/15/04
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Form PTO-1449

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U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE CITATION**  
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ATTY. DOCKET NO.

13813US01

SERIAL NO.

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APPLICANT(s):

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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	USSN: 10/177,624 entitled "High Solids High Space-Time Yield Slurry Polymerization", filed June 20, 2002, Inventor: John Hottovy et al. (13813US07) ✓
	USSN: 10/228,833 entitled "High Solids Slurry Polymerization", filed August 26, 2002, Inventor: John Hottovy et al. (13813US08)
	USSN: 10/301,281 entitled "High Solids Slurry Polymerization", filed November 20, 2002, Inventor: John Hottovy et al. (13813US09) ✓

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*Alfred D. Dorschner*

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